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(56) Documents cited

GB	1596203	GB	0506076
GB	0521641	US	3790173
GB	0507301		

(58) Field of search

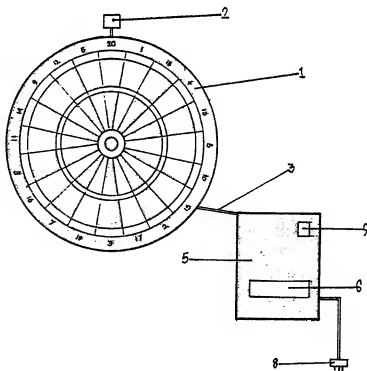
A6S
G4V
Selected US specifications from IPC sub-class F41J

(54) Coin-operated electronic dart board device

Switchable Coin-Operated Electronic Dartboard Device.

(57) A dartboard 1, with sensors for detecting darts striking the scoring zones, is linked to a processor and coin mechanism, both contained in housing 5. Insertion of suitable coinage at 9 enables the system. Payouts, dependent upon scores achieved, are made at 6. A sensor 2 disables the system upon detecting a player adjacent the board, e.g. inserting darts directly into the board.

Fig. 1



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Switchable Coin-Operated Electronic Dartboard Device.

Fig1

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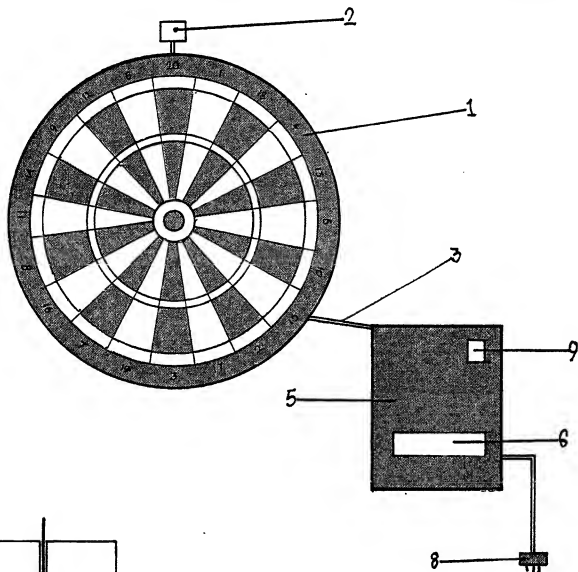
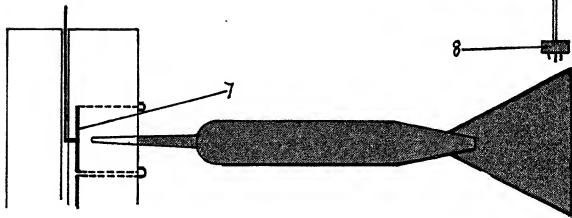


Fig2



SPECIFICATION **Switchable Coin-Operated Dart Board Device**

- This invention relates to a switchable coin-operated electronic dart board device.
- Dart boards are well known as a universal sport found in most public houses and clubs. The players project darts at the board and score points according to the target zone that the darts stick into.
- 10 Competition boards are of bristle and metal construction on a wood or chipboard backing board. According to the present invention the dart board is connected to the coin box housing by means of a shielded connecting lead which passes data from
- 15 one of sixty-two or more sensors through to a processor contained within the coin-box housing. The coin-box housing also contains a coin mechanism for accepting and paying out coins and tokens. Upon receipt of a pre-determined
- 20 denomination of coin, the device is switched on for operation. Above the board and connected to the device via the shielded connecting lead is a sensor to detect invasion of the target area in order to switch the device off and eliminate cheating, i.e., to stop somebody from walking up to the dart board and placing their darts directly into the winning target zones.
- A specific embodiment of the invention will now be described by way of example with reference to
- 30 the accompanying drawings.
- Fig. 1 shows the complete switchable coin-operated electronic dart board device.
- Fig. 2 shows a side section of the dart board and target zone sensor 7.
- 35 Referring to the drawing, Fig. 1, the coin-operated electronic dart board device comprises a competition standard dartboard 1, a target area infringement sensor 2, a connecting lead 3, a coin

mechanism and processor, a payout slot 6, a standard mains lead and plug 8 and a coin acceptance slot 9.

In order for the board to register the area in which the board has been struck, a player would need to throw a regular standard type of dart. Upon sticking

45 into the board the dart would trip a sensor connected to that particular target zone in which the dart struck and this data/information would pass to the processor via the shielded connecting lead. A coin mechanism and payout device within the coin-box housing would operate depending on the target zone hit by the dart and the total score of three such darts. Various pre-determined payouts would be achievable.

The device would be powered from a standard mains plug and socket and would be coin-operated thereafter.

When not in use as a coin-operated electronic dart board device, the dart board alone could be played for fun or sport alone.

60 Referring to the drawing, Fig 2, the dart board target zone sensor is situated within the construction of the dart board and is activated by the intrusion of that particular dart board target zone by a standard projected dart.

65 CLAIMS

1. A switchable coin-operated electronic dart board device comprising of a competition standard dart board, a processor and coin mechanism housing, a processor and coin mechanism, a target area infringement sensor and connecting lead and

70 mains lead and plug.

2. A switchable coin-operated electronic dart board device substantially as described herein with

75 reference to the accompanying drawings.